



## TECHNICAL DATA SHEET

### **AMBER GUARD EPOXY FLOORING TOPCOAT**

<b>PRODUCT DESCRIPTION</b>	A two pack chemical resistant topcoat based on polyamide cured epoxy resin for concrete floors. The fully cured film has good adhesion to concrete floors and good resistance to water. It has good flow and resistant to splash and spillage of mild chemicals and solvents. It has good abrasion and impact resistance and easy to clean.
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<b>RECOMMENDED USES</b>	General purpose flooring topcoat for cementitious surfaces. It can be applied by spray, roller and brush. It can be used with recommended size aggregates also for light duty flooring applications.
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### TECHNICAL DATA

<b>COLOUR, DRY FILM</b>	Limited pastel shade colours	
<b>FINISH, DRY FILM</b>	Smooth / Glossy, (Matt on request)	Clear / Glossy
<b>VOLUME SOLIDS (ASTM D2697)</b>	55 ± 2%	40 ± 2%
<b>SPECIFIC GRAVITY</b>	1.40 ± 0.05 (mixed) colour	1.00 ± 0.05 (of mixed)
<b>THEORETICAL SPREADING</b>	11 – 5.5 M2 /LTR	10 – 8 M2 /LTR
<b>RECOMMENDED DFT (DRY FILM)</b>	50 – 100 Microns/Coat	40 – 50 Microns/Coat
<b>RECOMMENDED WFT (WET FILM)</b>	90 – 180 Microns/Coat	100 – 125 Microns/Coat
<b>FLASH POINT</b>	25°C	25°C

### DRYING TIME

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time).	
<b>TOUCH DRY</b>	3 – 6 hours
<b>DRY TO RECOAT</b>	12 hours (minimum) – 72 hours (maximum)
<b>FULLY CURED</b>	7 days



**TECHNICAL DATA SHEET**

**ADVANTAGES**

<b>AMBER GUARD EPOXY FLOORING TOPCOAT</b>	Good adhesion, good resistant to water and mild chemicals, good flow abrasion and impact resistance, easy to clean.
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**APPLICATION INSTRUCTION**

<b>SURFACE PREPARATION</b>	<p>New Construction: Concrete floors, to be coated should be allowed to cure for at least 28 days. Floor should be sound, clean and free from oils, grease, mortar, loose particles, dust etc. Laitance should be removed by the use of mechanical means such as vacuum recovery shot blasting. Moisture content should be less than 5%.</p> <p>Existing Substrate: All contamination must be removed and a sound clean substrate should be exposed. Mechanical means of preparation are preferred followed by the removal of dust and other loose debris using an industrial vacuum. All cracks and minor damage-surface should be repaired and allow to dry prior to priming.</p>
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**APPLICATION DATA**

<b>APPLICATION METHOD</b>	Roller, Brush or Spray
<b>CLEANING/THINNING</b>	Amber Epoxy Thinner
<b>THINNER (VOLUME)</b>	5 – 10% depending on method of application
<b>CONV. SPRAY REQUIREMENTS</b>	Possible
<b>AIRLESS SPRAY REQUIREMENTS</b>	Pressure: 2000-2200 psi
<b>NOZZLE SIZE</b>	0.018” - 0.020”
<b>MIXING RATIO (BY VOLUME)</b>	Base : Hardener 4 : 1 (Mix thoroughly keep for 15 – 20 minutes before use.)
<b>POT LIFE @ 30°C (100 ml)</b>	6 – 8 hours



## TECHNICAL DATA SHEET

### SYSTEM

<b>RECOMMENDED SYSTEM</b> To be applied on prepared surface.	Amber Guard Primer for Cement Clear	
	Amber Guard Epoxy Flooring Topcoat	
	For antis kidding, spread recommended size aggregates, when first coat is wet. Apply second coat as a topcoat after 24 hours.	

### ADDITIONAL DATA

<b>SHELF LIFE @ 30°C</b>	18 months, in original sealed container, with proper storage conditions.
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### HEALTH & SAFETY

<b>SAFETY PRECAUTIONS</b>	As a general rule, avoid skin and eye contact by wearing overalls, glove, goggles, and mask etc. Spillage on skin should immediately be removed by thorough washing with water and soap or suitable cleaner. Eye should be flushed with fresh water. Avoid inhalation of vapours and paint mist by wearing suitable mask. In the event of ingestion and eye contact, seek medical attention immediately. Painting must be carried out in well ventilated area. This product contains flammable materials and should be kept away from the sparks and open flames, smoking in the area should not be permitted. Local safety regulations should be followed.
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### STORAGE & HANDLING



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<b>STORAGE</b>	Store the paint in proper storage conditions as per the local regulations. Keep the paint container in sealed condition under shed, away from direct sunlight and extreme temperatures. Do not stock paint material near to any ignition sources. Do not put back the half or unused material back in original container, containing the supplied paint, to avoid contamination. Handle with care. Stir well before use.
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